

FIG. 1

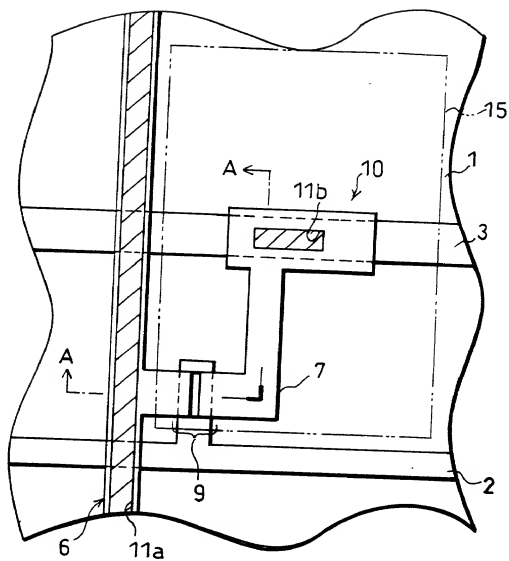


FIG. 3

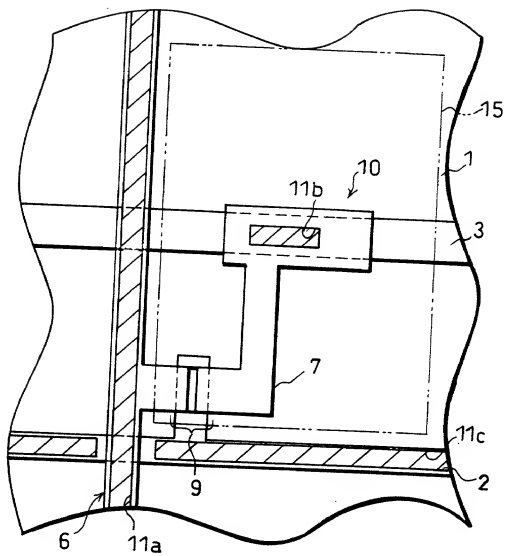


FIG. 4

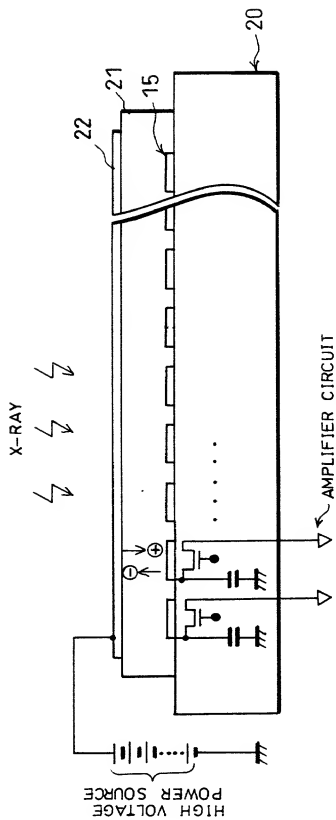
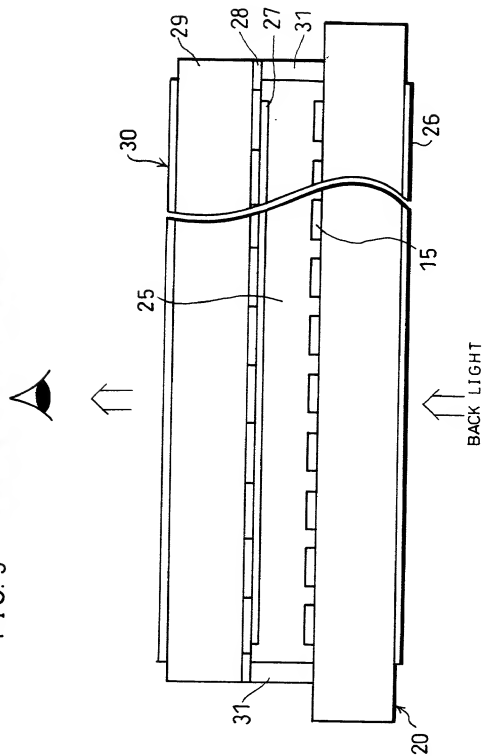


FIG. 5

FIG. 5 is a cross-sectional view of a display device, taken along line A-A of FIG. 1. The device includes a substrate 10, a gate insulating layer 11, a gate electrode 12, a data line 13, a pixel electrode 14, and a common electrode 15. The pixel electrode 14 is connected to the data line 13, and the common electrode 15 is connected to the gate electrode 12. The pixel electrode 14 and the common electrode 15 are separated by a pixel opening 16. The pixel opening 16 is filled with a liquid crystal layer 17. The liquid crystal layer 17 is sandwiched between the pixel electrode 14 and the common electrode 15. The device is further provided with a protective layer 18, a buffer layer 19, and a color filter layer 20. The color filter layer 20 is disposed on the substrate 10, and the buffer layer 19 is disposed on the color filter layer 20. The protective layer 18 is disposed on the buffer layer 19. The gate insulating layer 11 is disposed on the substrate 10, and the gate electrode 12 is disposed on the gate insulating layer 11. The data line 13 is disposed on the gate insulating layer 11, and the pixel electrode 14 is disposed on the data line 13. The common electrode 15 is disposed on the gate insulating layer 11, and the pixel opening 16 is formed in the common electrode 15. The liquid crystal layer 17 is disposed in the pixel opening 16. The protective layer 18 is disposed on the common electrode 15, and the buffer layer 19 is disposed on the protective layer 18. The color filter layer 20 is disposed on the buffer layer 19. The device is further provided with a backlight unit 21, which is disposed behind the substrate 10. The backlight unit 21 includes a light source 22, a light guide plate 23, and a diffuser plate 24. The light source 22 is disposed at the bottom of the backlight unit 21, and the light guide plate 23 is disposed on the light source 22. The diffuser plate 24 is disposed on the light guide plate 23. The backlight unit 21 is used to provide light to the liquid crystal layer 17.



	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100

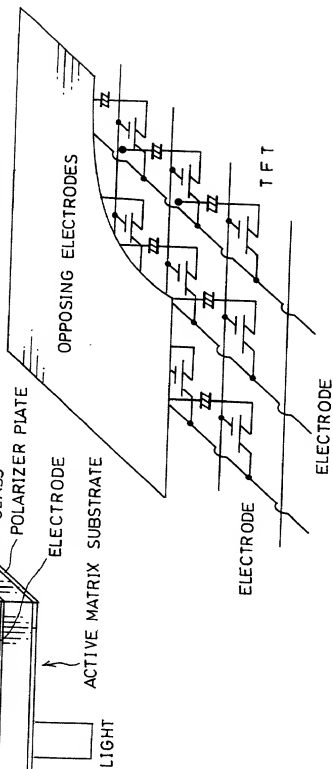
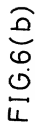
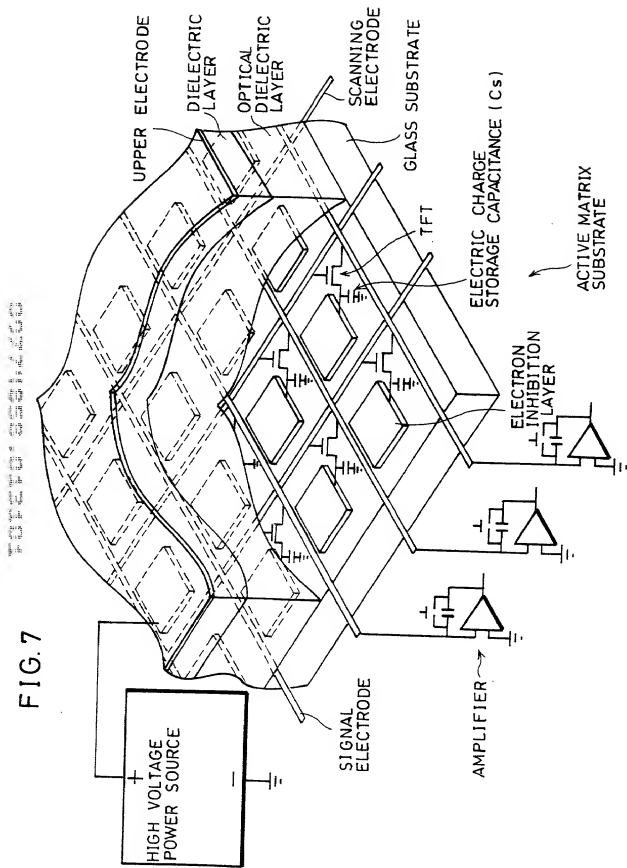


FIG. 7



I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the prosecution of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a). I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for parent or inventor's certificate listed below and have also identified below any foreign application for parent or inventor's certificate having a filing date before that of the application on which priority is claimed.